

Colloquium



Fundamental Calibrations for Remote Sensing Sensors Using Integrating Spheres

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Small-scale satellite and drone optical remote sensing sensors require well-understood characterization and calibration to provide meaningful and interoperable data. With the use of several pieces of equipment, including a calibrated integrating sphere and collimation optics, most onboard cameras and sensors can be calibrated with a known uncertainty budget. This presentation will cover a set of basic components and methods that can be used to calibrate these sensors in a meaningful way.

Matt is an Applications Engineer and Regional Sales Manager for Labsphere, Western Region. Matt developed custom technologies and spectral-matching light sources as a Product Engineer at Labsphere. He holds an MS in Ocean Engineering and a BS in Mechanical Engineering from the University of New Hampshire.